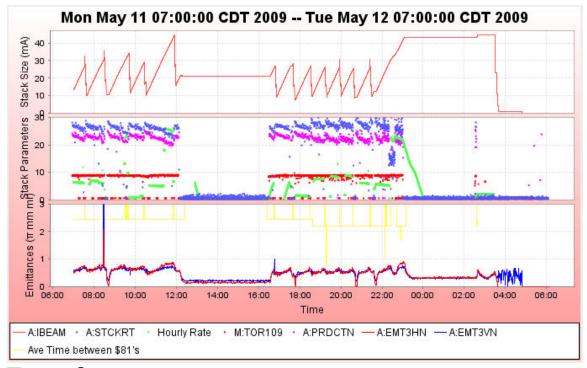
Stacking

- Stacked 281mA in 12.96 hours of stacking
 - <stacking rate> = 26mA/hr
 - production> = 22.1e-6/proton
 - <beam on target> = 8.18e12
- Accumulator core systems
 - Found vertical pickup stand has a tunnel problem.
 - One motor drives both sides of the tank.
 - It appears only one side if moving.
- D:ISEPV ground fault trips
 - Had some trips on Sunday.
 - Could be a bad magnet.



Transfers

- Unstacked 310e10 in 30 transfers over 14 sets
 - Acc to RR efficiency was 96%
 - For two transfer sets 96.3%

В	C							-		IN	0		-		_	
Column 1 Number _0_Pbar Transfe r Shot #	Column 4 Number_3_Transfer Ti	me		Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10	Unstacked (mA)	23 Number _22_R: BEAMS (R:BEA ME0[0])	(R:BEA		Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	sfers	S	al Emittanc e		Column 8 Number _7_Acc Longitu dinal Emittan ce
	Totals =>				310.24			297.62	95.93%	97.70%	97.65%	30	14	5.1624	4.9381	1.8713
13133	Tuesday, May 12, 2009	3:30	44.67	1.13	43.56	0.21	40.72	40.91	93.91%	98.83%	98.34%	4	1	1.986	3.363	1.83
13132	Monday, May 11, 2009	20:36	26.44	9.42	18.30	339.01	356.55	17.65	96.44%	98.91%	99.52%	2	1	5.35	5.012	1.876
13131	Monday, May 11, 2009	19:56	25.61	8.85	18.05	322.73	339.95	17.34	96.07%	98.31%	98.47%	2	1	4.856	5.015	1.882
13130	Monday, May 11, 2009	19:14	26.59	9.66	18.21	305.98	323.50	17.59	96.59%	97.69%	98.48%	2	1	5.332	4.907	1.916
13129	Monday, May 11, 2009	18:31	26.49	9.27	18.44	288.85	306.60	17.77	96.33%	98.07%	98.08%	2	1	5.151	4.646	1.859
13128	Monday, May 11, 2009	17:41	26.98	9.48	18.83	271.32	289.43	18.23	96.79%	97.06%	96.85%	2	1	5.174	4.72	1.892
13127	Monday, May 11, 2009	16:48	28.31	7.90	21.21	251.14	271.77	20.72	97.70%	97.44%	97.82%	2	1	3.71	3.836	1.797
13126	Monday, May 11, 2009	11:54	26.85	9.13	19.01	233.05	251.51	18.50	97.29%	98.10%	98.19%	2	1	4.422	4.572	1.872
13125	Monday, May 11, 2009	10:26	44.49	15.87	29.87	206.63	234.94	28.38	95.03%	96.62%	97.13%	2	1	6.616	5.816	1.872
13124	Monday, May 11, 2009	9:41	29.47	9.85	20.90	187.35	207.27	19.96	95.50%	96.96%	97.45%	2	1	5.669	5.336	1.882
13123	Monday, May 11, 2009	8:31	34.20	11.64	23.86	164.79	187.62	22.84	95.73%	97.50%	97.40%	2	1	6.2	5.753	1.872
13122	Monday, May 11, 2009	7:34	31.80	10.35	22.46	143.61	165.20	21.62	96.27%	97.88%	96.24%	2	1	5.722	5.356	1.843
		6:45	27.67	9.86	19.12	125.50	143.87	18.38	96.09%	97.44%	97.77%	2	1	6.318	5.359	1.898
13121	Monday, May 11, 2005						_					_	_			
13121 13120	Monday, May 11, 2009 Monday, May 11, 2009	5:59	26.92	9.84	18.42	108.10	125.80	17.74	96.32%	96.32%	95.11%	2	1	5.767	5.443	1.907
			26.92	9.84	18.42	108.10	125.80	17.74	96.32%	96.32%	95.11%	2	1	5.767	5.443	1.907
13120 B	Monday, May 11, 2009 C	5:59 D	E	F	G	Н	- 1	J	K	N	0	Р	Q	R	S	Т
13120 B	Monday, May 11, 2009	5:59 D	E Column 21 Number _20_A:I BEAMB sampled on \$91	F	G Unstacked (mA)	H Column 23 Number _22_R: BEAMS	Column 24 Number _23_R: BEAM (R:BEA ME0[1])				O Acc to	Р	Q Set	R Column 5 Number_ 4_Acc Horizont al	S Column 6 Number _5_Acc Vertical Emittan ce	
B Column Number _0_Pbar Transfe	Monday, May 11, 2009 C	5:59 D	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7),	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9),	G Unstacked (mA)	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre #fer	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post	J Stashed	K Acc to	N Acc to MI	O Acc to	P Tran	Q Set	R Column 5 Number_ 4_Acc Horizont al	S Column 6 Number _5_Acc Vertical Emittan ce	T Column 8 Number _7_Acc Longitu dinal Emittan ce
B Column Number _0_Pbar Transfe	Monday, May 11, 2009 C Column 4 Number_3_Transfer Ti	5:59 D	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7),	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9),	G Unstacked (mA)	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre #fer	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post	J Stashed	K Acc to RR Eff	N Acc to MI Eff	O Ace to MI2 Eff	P Tran sfers	Q Set s	R Column 5 Number_ 4_Acc Horizont al Emittanc e	S Column 6 Number _5_Acc Yertical Emittan ce	T Column 8 Number _7_Acc Longitu dinal Emittan ce
B Column 1 Number _0_Pbar Transfe r Shot \$	Monday, May 11, 2009 C Column 4 Number_3_Transfer Ti	5:59 D ne	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10	G Unstacked (mA)	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre afer E10	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post	J Stashed	K Acc to RR Eff 96.26%	N Ace to MI Eff 97.52%	0 Ace to MI2 Eff 97.53%	P Tran sfers	Q Set s	R Column 5 Number_4_Ace Horizont al Emittanc e 5.4067	S Column 6 Number _5_Acc Vertical Emittan ce 5.0593	T Column Number _7_Acc Longitu dinal Emittan ce 1.8745
13120 B Column 1 Number _0_Pbar Transfe r Shot \$	Monday, May 11, 2009 C Column 4 Number_3_Transfer Til	5:59 D ne	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10	G Unstacked (mA) 266.69 18.30 18.05	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre afer E10 339.01	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post zfer, E10	256.71 17.65 17.34	K Acc to RR Eff 96.26% 96.44% 96.07%	N Acc to MI Eff 97.52% 98.91% 98.31%	0 Ace to MI2 Eff 97.53% 99.52% 98.47%	P Tran sfers	Q Set s	R Column 5 Number_4_Ace Horizont al Emittanc e 5.4067	S Column 6 Number _5_Acc Vertical Emittan ce 5.0593	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745
13120 B Column 1 Number _0_Pbar Transfe r Shot \$ 13132 13131 13130	Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Totals => Monday, May 11, 2009	5:59 D ne	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66	G Unstacked (mA) 266.69 18.30 18.05 18.21	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre afer E10 339.01 322.73 305.98	Column 24 Number _23_R: BEAM (R:BEA) post zfer, E10 356.55 339.95 323.50	256.71 17.65 17.34 17.59	96.26% 96.44% 96.07% 96.59%	97.52% 98.91% 98.31% 97.69%	97.53% 99.52% 98.47%	9 Tran sfers 30 4 2 2 2 2	Q Set s 1 1 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittanc e 5,4067	S Column 6 Number _5_Acc Vertical Emittan ce 5.0593	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745
13120 B Column 1 Number _0_Pbar Transfe r Shot \$ 13132 13131 13130 13129	Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Totals => Monday, May 11, 2009	5:59 D ne 20:36 19:56 19:14 18:31	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66 9.27	G Unstacked (mA) 266.69 18.30 18.05 18.21 18.44	H Column 23 Number _22_R: BEAMS (R:BEA MEO(0)) pre afer E10 339.01 322.73 305.98 288.85	Column 24 Number _23_R: BEAM (R:BEAM ME0[1]) post zfer, E10 356.55 339.95 323.50 306.60	256.71 17.65 17.34 17.59 17.77	96.26% 96.44% 96.07% 96.33%	97.52% 98.91% 98.31% 97.69% 98.07%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08%	7 Tran sfers 30 4 2 2 2 2 2	13 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.876 1.882 1.916 1.859
13120 B Column 1 Number _0_Pbar Transfe r Shot \$ 13132 13131 13130 13129 13128	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:31 17:41	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.98	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66 9.27 9.48	G Unstacked (mA) 266.69 18.30 18.05 18.21 18.44 18.83	H Column 23 Number _22_R: BEAMS (R:BEA MEDEA MEDEA 339.01 322.73 305.98 288.85 271.32	Column 24 Number _23_R: BEAM (R:BEA) post zfer, E10 356.55 339.95 323.50 306.60 289.43	256.71 17.65 17.34 17.59 17.77 18.23	96.26% 96.44% 96.07% 96.33% 96.79%	97.52% 98.91% 98.31% 97.69% 98.07% 97.06%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 96.85%	30 4 2 2 2 2 2 2	13 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittane e 5.4067 5.35 4.856 5.332 5.151 5.174	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.72	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.876 1.882 1.916 1.859 1.892
13120 B Column 1 Number _0_Pbar Transfe r Shot \$ 13132 13131 13130 13129 13128 13127	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:31 17:41 16:48	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.98 28.31	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66 9.27 9.48 7.90	266.69 18.30 18.05 18.21 18.44 18.83 21.21	H Column 23 Number _22_R: BEAMS (R:BEA) MEBEA) pre afer E10 339.01 322.73 305.98 288.85 271.32 251.14	Column 24 Number _23_R: BEAM (R:BEAI) post zfer, E10 356.55 339.95 323.50 306.60 289.43 271.77	256.71 17.65 17.34 17.59 17.77 18.23 20.72	96.26% 96.44% 96.07% 96.33% 96.79% 97.70%	97.52% 98.91% 98.91% 98.31% 97.69% 98.07% 97.06% 97.44%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 96.85% 97.82%	30 4 2 2 2 2 2 2	13 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittane e 5.4067 5.35 4.856 5.332 5.151 5.174 3.71	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.72 3.836	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.8745 1.876 1.882 1.916 1.859 1.892 1.797
13120 B Column 1 Number _0_Pbar Transfe r Shot # 13132 13131 13130 13129 13128 13127 13126	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:31 17:41 16:48 11:54	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.98 28.31 26.85	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9). E10 9.42 8.85 9.66 9.27 9.48 7.90 9.13	266.69 18.30 18.05 18.21 18.44 18.83 21.21 19.01	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) 339.01 322.73 305.98 288.85 271.32 251.14 233.05	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post zfer, E10 356.55 339.95 323.50 306.60 289.43 271.77 251.51	256.71 17.65 17.34 17.59 17.77 18.23 20.72 18.50	8 Ace to RR Eff 96.26% 96.44% 96.07% 96.59% 96.33% 96.79% 97.70% 97.29%	97.52% 98.91% 98.31% 97.69% 98.07% 97.06% 97.44% 98.10%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 96.85% 97.82% 98.19%	30 4 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151 5.174 3.71 4.422	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.72 3.836 4.572	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.8745 1.875 1.892 1.797 1.872
13120 B Column 1 Number _0_Pbar Transfe r Shot # 13132 13131 13130 13129 13128 13127 13126 13125	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:31 17:41 16:48 11:54	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7). E10 26.44 25.61 26.59 26.49 26.98 28.31 26.85 44.49	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9). E10 9.42 8.85 9.66 9.27 9.48 7.90 9.13 15.87	266.69 18.30 18.05 18.21 18.44 18.83 21.21 19.01 29.87	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) pre zfer E10 339.01 322.73 305.98 288.85 271.32 251.14 233.05 206.63	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post sfer, E10 356.55 339.95 323.50 306.60 289.43 271.77 251.51 234.94	256.71 17.65 17.34 17.59 17.77 18.23 20.72 18.50 28.38	96.26% 96.44% 96.07% 96.59% 96.33% 96.79% 97.70% 97.29%	97.52% 98.91% 98.31% 97.69% 98.07% 97.06% 97.44% 98.10% 96.62%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 96.85% 97.82% 98.19% 97.13%	30 4 2 2 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151 5.174 3.71 4.422 6.616	S Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.72 3.836 4.572 5.816	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.8745 1.875 1.892 1.797 1.872 1.872
13120 B Column 1 Number _0_Pbar Transfe r Shot # 13132 13131 13130 13129 13128 13127 13126	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:31 17:41 16:48 11:54	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.98 28.31 26.85	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9). E10 9.42 8.85 9.66 9.27 9.48 7.90 9.13	266.69 18.30 18.05 18.21 19.01 29.87 20.90	H Column 23 Number _22_R: BEAMS (R:BEA ME0[0]) 339.01 322.73 305.98 288.85 271.32 251.14 233.05	Column 24 Number _23_R: BEAM (R:BEA ME0[1]) post zfer, E10 356.55 339.95 323.50 306.60 289.43 271.77 251.51	256.71 17.65 17.34 17.59 17.77 18.23 20.72 18.50	8 Ace to RR Eff 96.26% 96.44% 96.07% 96.59% 96.33% 96.79% 97.70% 97.29%	97.52% 97.52% 98.91% 98.91% 97.69% 97.06% 97.44% 98.10% 96.62% 96.96%	97.53% 97.53% 99.52% 98.47% 98.48% 96.85% 97.82% 97.13% 97.45%	30 4 2 2 2 2 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1	R Column 5 Number_ 4_Ace Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151 5.174 3.71 4.422	S Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.72 3.836 4.572 5.816 5.336	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.8745 1.875 1.892 1.797 1.872
13120 B Column 1 Number _0_Pbar Transfe r Shot # 13132 13131 13130 13129 13128 13127 13126 13125 13124 13123 13124 13124 13123 13124 1	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:41 16:48 11:54 10:26 9:41 8:31	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.49 26.49 26.85 44.49 29.47 34.20	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66 9.27 9.28 7.90 9.13 15.87 9.85 11.64	266.69 18.30 18.05 18.21 18.44 18.83 21.21 19.01 29.87 20.90 23.86	H Column 23 Number _22_R: BEAMS (R:BEA MEO[0]) pre afer E10 339.01 322.73 305.98 288.85 271.32 251.14 233.05 206.63 187.35 164.79	Column 24 Number 23_R: BEAM (R:BEA ME0[1]) post zfer, E10 356.55 339.95 323.50 306.60 271.77 251.51 234.94 207.27 187.62	256.71 17.65 17.34 17.59 17.77 18.23 20.72 18.50 28.38 19.96 22.84	96.26% 96.44% 96.07% 96.33% 97.79% 97.29% 95.03% 95.50%	97.52% 97.52% 98.91% 98.91% 97.69% 97.06% 97.44% 98.10% 96.62% 96.96% 97.50%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 97.82% 98.19% 97.13% 97.45% 97.40%	30 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1 1 1 1	R Column 5 Number_4_Acc Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151 5.174 4.422 6.616 5.669 6.2	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.772 5.816 5.336 5.753	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.876 1.882 1.916 1.859 1.859 1.872 1.872 1.872 1.872
13120 B Column 1 Number _0_Pbar Transfe r Shot # 13132 13131 13129 13128 13127 13126 13125 13124 13123 13124 13123 13122 1	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009 Monday, May 11, 2009	20:36 19:56 19:14 18:31 17:41 16:48 10:26 9:41 8:31 7:34	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.98 28.31 26.85 44.49 29.47 34.20 31.80	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66 9.27 9.48 7.900 9.13 15.87 9.85 11.64 10.35	266.69 18.30 18.05 18.21 18.44 18.83 21.21 19.01 29.87 20.90 23.86 22.46	H Column 23 Number _22_R: BEAMS (R:BEA MEO[01]) pre afer E10 339.01 322.73 305.98 287.132 251.14 233.05 206.63 187.35 164.79 143.61	Column 24 Number 23_R: BEAM (R:BEA ME0[1]) post xfer, E10 356.55 339.95 323.50 306.60 289.43 271.77 251.51 234.94 207.27 187.62 165.20	256.71 17.65 17.34 17.59 17.77 18.23 20.72 18.50 28.38 19.96 22.84 21.62	96.26% 96.44% 96.07% 96.59% 96.33% 96.79% 97.70% 95.03% 95.50% 95.73%	97.52% 98.91% 98.91% 98.91% 97.69% 98.07% 97.04% 98.10% 96.62% 96.96% 97.50% 97.88%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 97.82% 97.13% 97.45% 97.40% 96.24%	30 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1 1	R Column 5 Number_4_Acc Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151 5.174 4.422 6.616 5.669 6.2 5.722	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.772 5.816 5.336 5.753 5.356	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.876 1.882 1.916 1.859 1.892 1.797 1.872 1.872 1.872 1.872 1.882 1.872 1.882
13120 B Column 1 Number _0_Pbar Transfe r Shot \$\frac{1}{2}\$ 13131 13130 13129 13128 13127 13126 13127 13124 13124 13124 13124 13124	Totals => Monday, May 11, 2009 C Column 4 Number_3_Transfer Til Monday, May 11, 2009	20:36 19:56 19:14 18:41 16:48 11:54 10:26 9:41 8:31	E Column 21 Number _20_A:I BEAMB sampled on \$91 (A:BEA M7), E10 26.44 25.61 26.59 26.49 26.49 26.49 26.85 44.49 29.47 34.20	F Column 22 Number _21_A:I BEAMB sampled on \$94 (A:BEA M9), E10 9.42 8.85 9.66 9.27 9.28 7.90 9.13 15.87 9.85 11.64	266.69 18.30 18.05 18.21 18.44 18.83 21.21 19.01 29.87 20.90 23.86	H Column 23 Number _22_R: BEAMS (R:BEA MEO[0]) pre afer E10 339.01 322.73 305.98 288.85 271.32 251.14 233.05 206.63 187.35 164.79	Column 24 Number 23_R: BEAM (R:BEA ME0[1]) post zfer, E10 356.55 339.95 323.50 306.60 271.77 251.51 234.94 207.27 187.62	256.71 17.65 17.34 17.59 17.77 18.23 20.72 18.50 28.38 19.96 22.84	96.26% 96.44% 96.07% 96.33% 97.79% 97.29% 95.03% 95.50%	97.52% 97.52% 98.91% 98.91% 97.69% 97.06% 97.44% 98.10% 96.62% 96.96% 97.50%	97.53% 97.53% 99.52% 98.47% 98.48% 98.08% 97.82% 98.19% 97.13% 97.45% 97.40%	30 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 1 1 1 1 1 1 1 1 1 1	R Column 5 Number_4_Acc Horizont al Emittanc e 5.4067 5.35 4.856 5.332 5.151 5.174 4.422 6.616 5.669 6.2	\$ Column 6 Number _5_Acc Vertical Emittan ce 5.0593 5.012 5.015 4.907 4.646 4.772 5.816 5.336 5.753	T Column 8 Number _7_Acc Longitu dinal Emittan ce 1.8745 1.876 1.882 1.916 1.859 1.859 1.872 1.872 1.872 1.872

B C D E F G H I J K N O P Q R S T

Studies

Requests

The Numbers

- Paul's numbers
- Al's numbers
 - Stacking

Pbars stacked: 281.01 E10Time stacking: 12.96 Hr

Average stacking rate: 21.69 E10/Hr

Uptime

□ Number of pulses while in stacking mode: 17910

Number of pulses with beam: 16441Fraction of up pulses was: 91.80%

- The uptime's effect on the stacking numbers
 - Corrected time stacking: 11.89 Hr
 - Possible average stacking rate: 23.63 E10/Hr
 - Could have stacked: 306.11 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 291.82 E10
 - Number of transfers: 28
 - Number of transfer sets: 13
 - Average Number of transfer per set: 2.15
 - Time taken to shoot including reverse proton tuneup: 00.18 Hr
 - Transfer efficiency: 97.23%
- Other Info
 - □ Average POT : 8.12 E12
 - Average production: 21.04 pbars/E6 protons
- * Red indicates a problem during data retrieval. See the message window for details.
- * Missed one or more A:IBEAM7 events somewhere in the middle of the user selected time span. Calculated time shot using 13 secs per transfer.

Misc

